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Group homomorphism - Wikipedia, the free encyclopedia

If G and H are **abelian** (i.e. commutative) groups, then the set $\text{Hom}(G, H)$ of all **group homomorphisms** from G to H is itself an **abelian group**: the sum $h + k$ of ...
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Category of abelian groups - Wikipedia, the free encyclopedia

In mathematics, the category Ab has the **abelian** groups as objects and **group homomorphisms** as morphisms. This is the prototype of an **abelian category**: ...
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Re: Abelian group homomorphism

In reply to "**Abelian group homomorphism**", posted by Jean on Oct 8, 2003: >Please help!! >1) Suppose $G = \{ \text{all functions } f: [0, 1] \rightarrow \mathbb{R} \}$. Define an addition on G ...
at.yorku.ca/cgi-bin/bbqa?forum=ask_an_algebraist_2003;task=show_msg;msg=0207.0001 - 5k - Cached - Similar pages

JSTOR: The First Derived Equaliser of a Pair of Abelian Group ...

In this note We attack the problem of classifying a pair of **abelian group homomorphisms** by introducing a construction which we call "the derived ..."
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JSTOR: The Study of Commutative Semigroups with Greatest Group ...

We define a **gr-homomorphism** to be a **homomorphism** g of S into an **abelian group** Gr having the universal repelling property with respect to **homomorphisms** of ...
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21.4 Homomorphisms of abelian groups

Homomorphisms of abelian groups. TODO: * there must be a homspace first * there should be hom and Hom methods in **abelian group** ...
sage.scipy.org/sage/doc/html/ref/module-sage.groups.abelian-gps.abelian-group-homorphism.html - 13k - Cached - Similar pages

[PDF] Homework 1 Due September 17th 1. Let A be an abelian group. Show ...

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Let A be an **abelian group**. Show that there is an isomorphism of groups. $\alpha: Z_n \rightarrow A$. $\sim = A_n$ with the property that for any **group homomorphism** $f: A \rightarrow \dots$
gauss.math.yale.edu/~mg622/prob1.pdf - Similar pages

ABSTRACT ALGEBRA: OnLine Study Guide, Section 3.7

Since any vector space is an **abelian group** under vector addition, any linear transformation between vector spaces is a **group homomorphism**. ...
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[PDF] Twisted Alexander polynomials and surjectivity of a group ...

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Suppose that G is a finitely presentable **group** with a surjective **homomorphism** to the free **abelian group** of rank l , eg, abelianization. Let $p: G \rightarrow GL(n;R) \dots$

arxiv.org/pdf/math/0510224 - [Similar pages](#)

[Transwiki:Glossary of group theory](#) - Wiktionary

Kernel of a **group homomorphism**. It is the preimage of the identity in the codomain of a ...

The structure of any finite **abelian group** is relatively simple; ...

en.wiktionary.org/wiki/Transwiki:Glossary_of_group_theory - 24k - [Cached](#) - [Similar pages](#)

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group homomorphisms. Many famous cryptographic problems including ...

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(WO/2005/081451) METHOD TO GENERATE, VERIFY AND DENY AN UNDENIABLE ...

The method according to claim 2, wherein the **group homomorphism** (f) computation is ...

A Method of confirming by a Verifier an undeniable **signature** (y1, ...

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Interpolation of **Group Homomorphisms**. Our **Signature** Scheme. Conclusion. Generic

Homomorphic Undeniable Signatures. J. Monnerat. S. Vaudenay ...

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group homomorphism which he keeps secret. Based on these protocols, we devise. our new undeniable **signature** scheme and prove its security in a formal way. ...

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LNCS 3329 - Generic Homomorphic Undeniable Signatures

the sense that we transform a private **group homomorphism** from public. groups G to H

(the order of H being public) into an undeniable **signature**. scheme. ...

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Homomorphic Signature Schemes

In a series of talks, Rivest suggested the investigation of homomorphic signature schemes. For instance, the RSA **signature** scheme is a **group homomorphism** ...

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Method to generate, verify and deny an undeniable signature ...

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Optimization of the MOVA undeniable **signature** scheme ... well as its generalization

proposed at Asiacrypt '04 which is based on a secret **group homomorphism**. ...
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that you know a **signature** on given message reduces to demonstrating that you. know a pre-image under a **group homomorphism**. This is true for any of the stan- ...
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